

Docket No.:

CI-0001

700

OH/18

PATENT

1/22/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

: **OFFICIAL DRAFTSMAN**

Wilson BURGESS, William N. DROHAN,
Martin J. MACPHEE, David M. MANN
and Ewa MADDOX

: Group Art Unit: 1744

Serial No.: 09/925,619

Confirm. No.: 2963

Filed: August 10, 2001

For: METHODS FOR STERILIZING BIOLOGICAL MATERIALS USING
DIPEPTIDE STABILIZERS

7

8/29/02
W.S.

LETTER SUBMITTING FORMAL DRAWINGS

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

Submitted herewith are 31 sheets of formal drawings (Figures 1A-1C, 2A-2E, 3A-3F, 4A-4C, 5A-5B, 7-14 and black and white photographs for Figures 3G, 3H, 6A and 6B) in connection with the above-identified application.

Respectfully submitted,
FLESHNER & KIM, LLP

Mark L. Fleshner
Registration No. 34,596
Donald R. McPhail
Registration No. 35,811

P. O. Box 221200
Chantilly, VA 20153-1200
703 502-9440 MLF:DRM:kpc
Date: January 23, 2002

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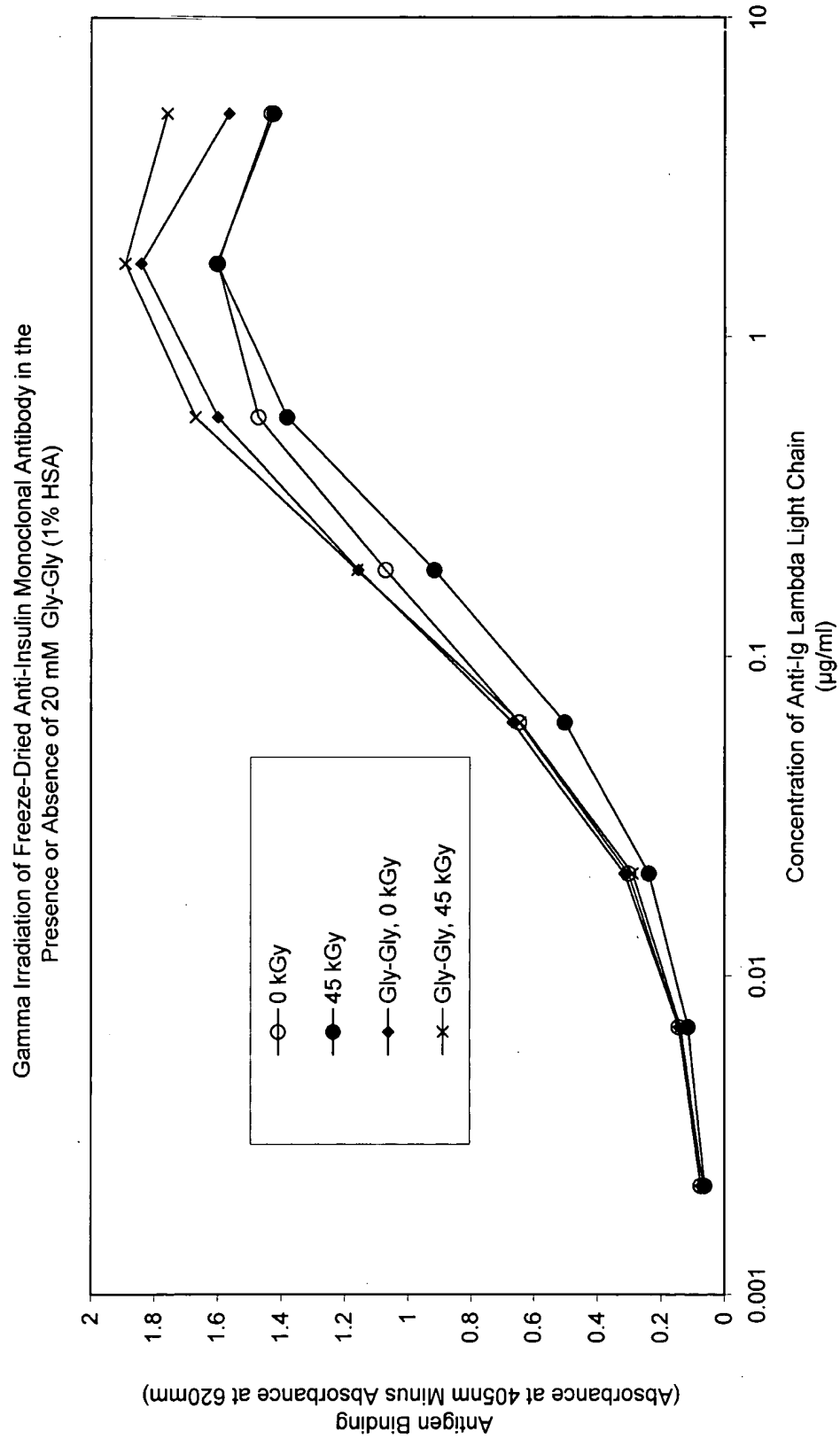


FIG. 1A

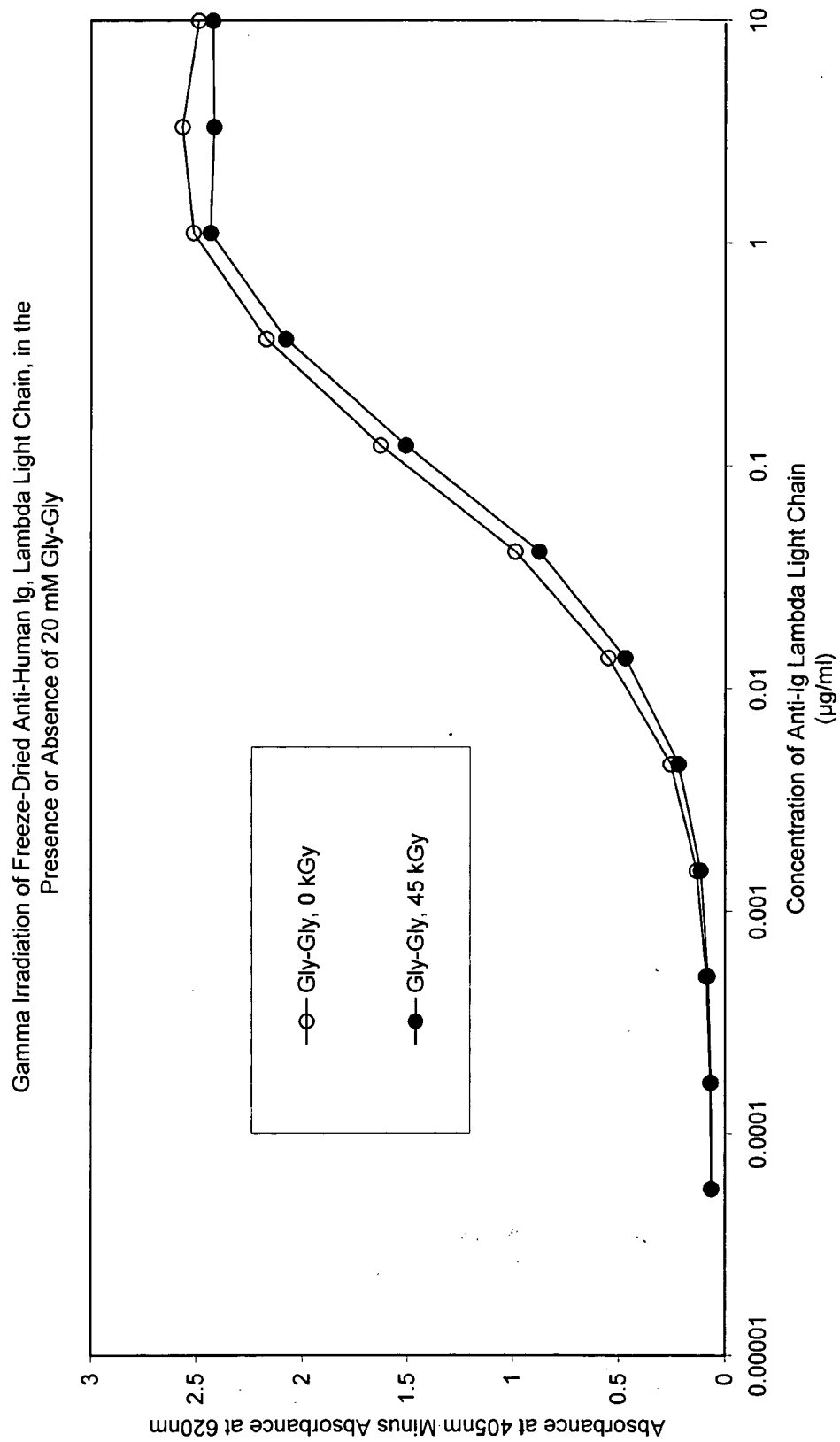


FIG. 1B

Gamma Irradiation of Freeze-Dried Anti-Human Ig, Lambda Light Chain, in the Presence or Absence of 20mM Ascorbate and 20mM Gly-Gly

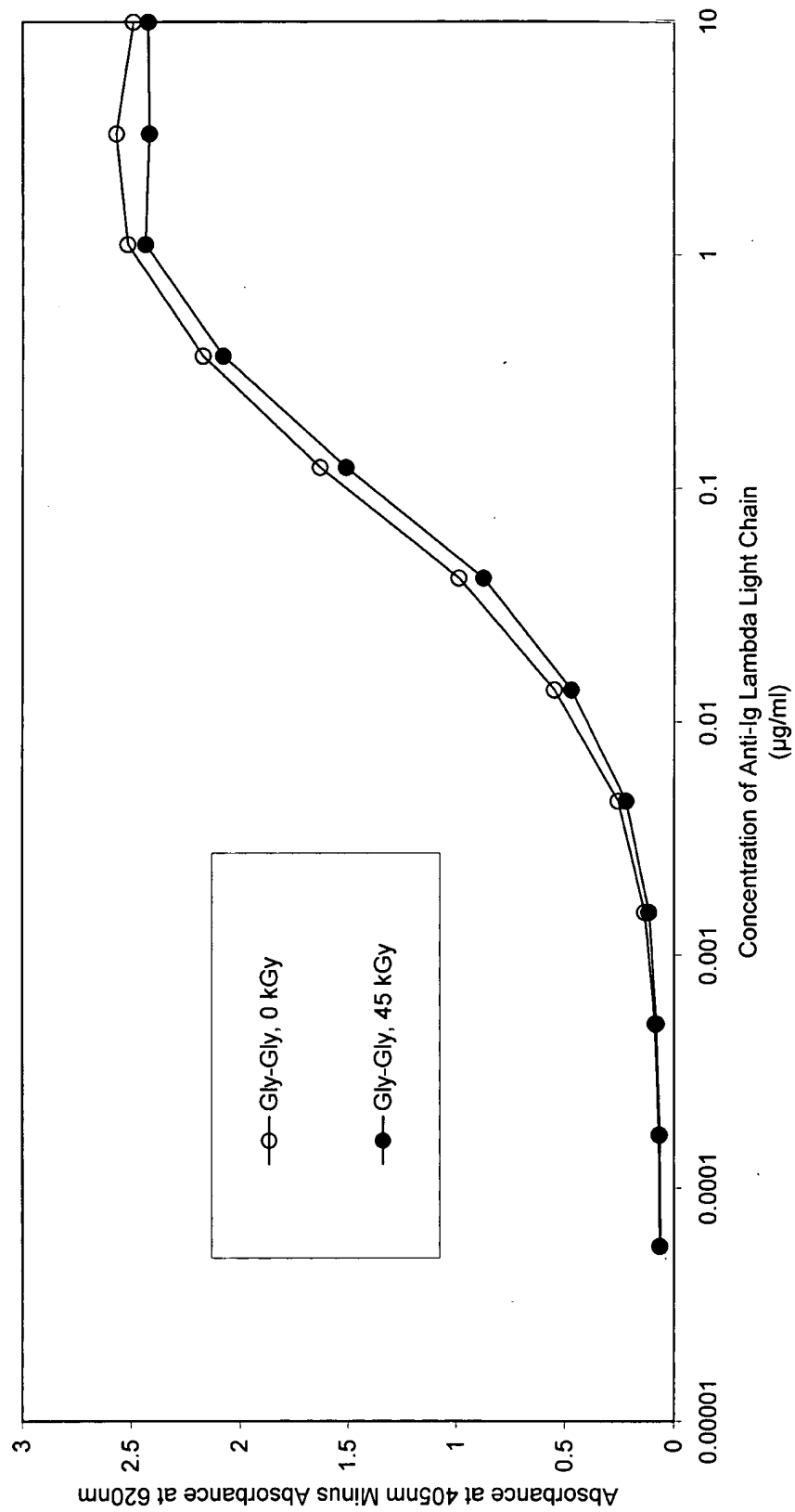


FIG. 1C

Gamma Irradiation of Freeze-Dried Anti-Insulin Monoclonal Antibody in the Presence or Absence of 20 mM Gly-Gly (and 1% BSA)

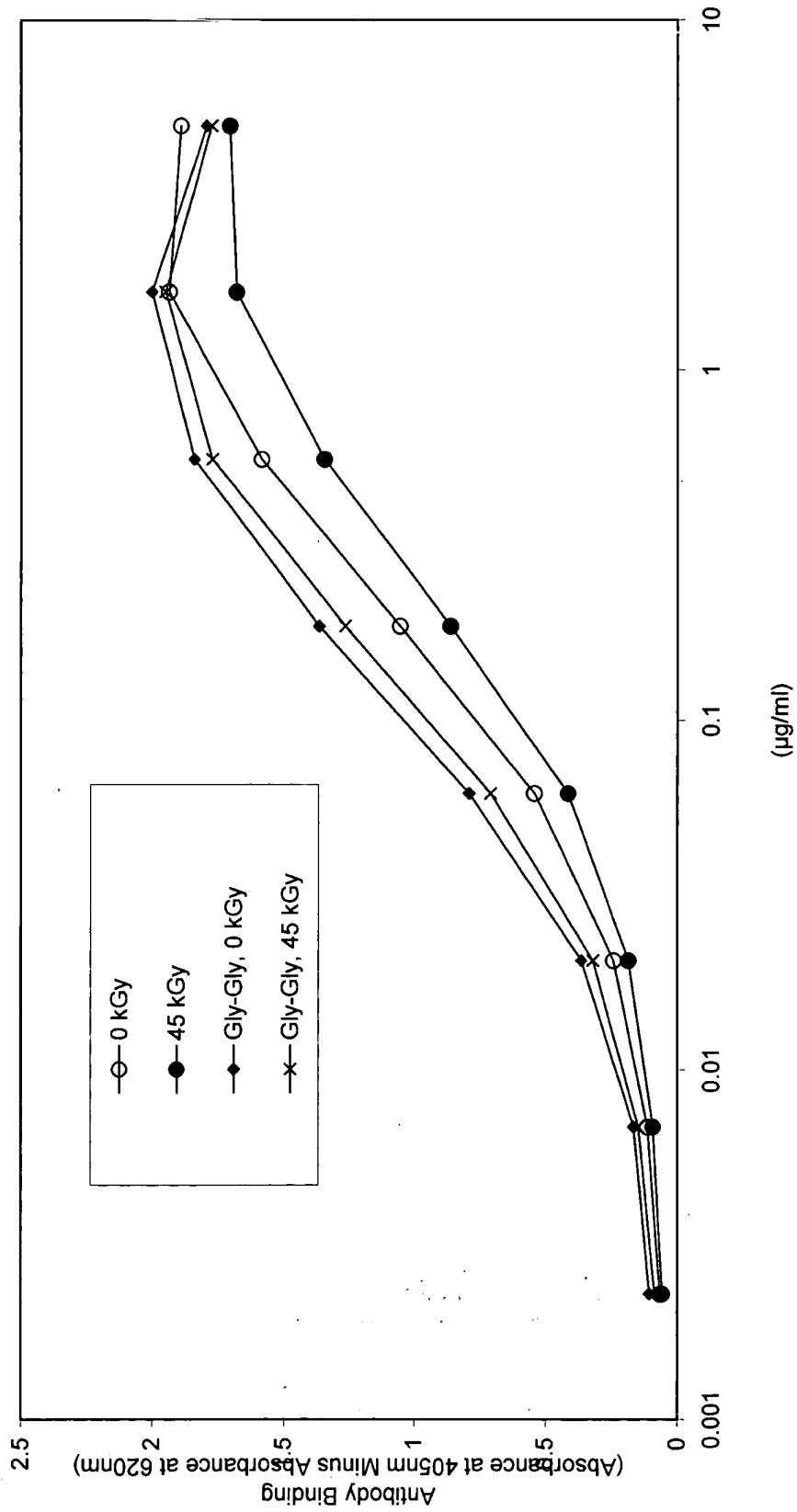


FIG. 2A

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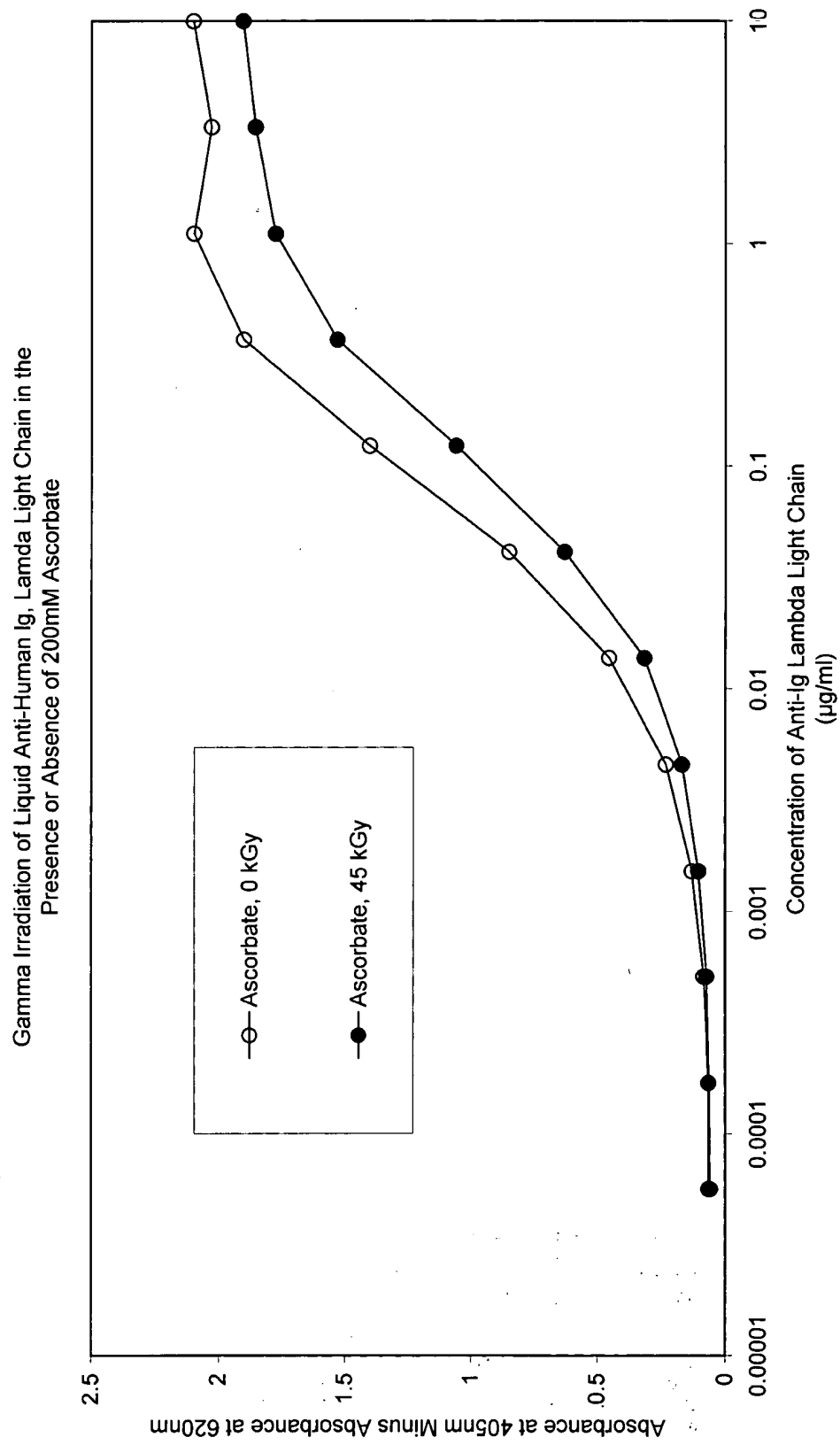


FIG. 2B

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Gamma Irradiation of Liquid Anti-Human Ig, Lambda Light Chain in the Presence or Absence of 200mM Ascorbate and 200 mM Gly-Gly

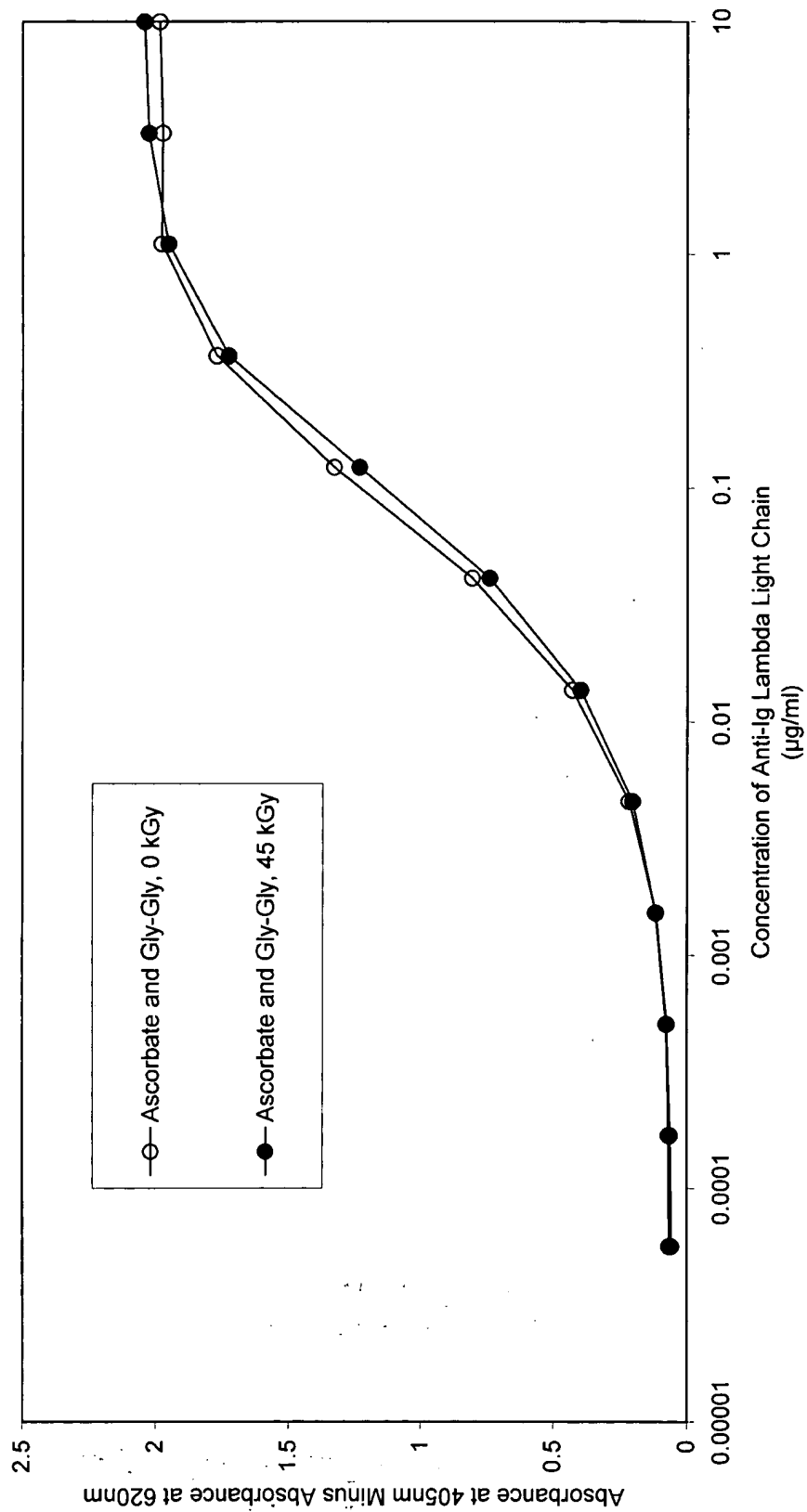


FIG. 2C

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Gamma Irradiation of Liquid Anti-Human IgG1 in the Presence of 200 mM Ascorbate

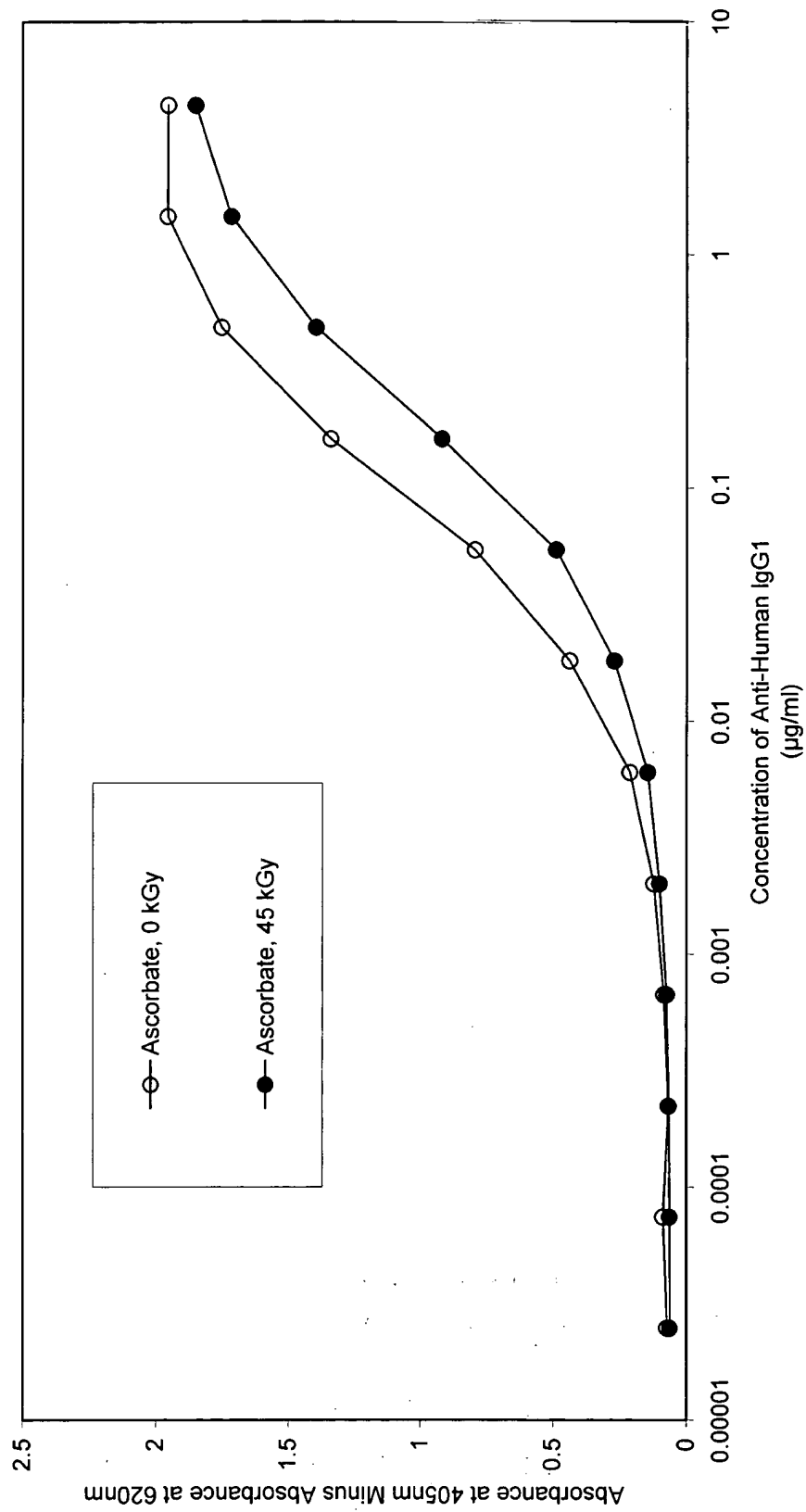


FIG. 2D

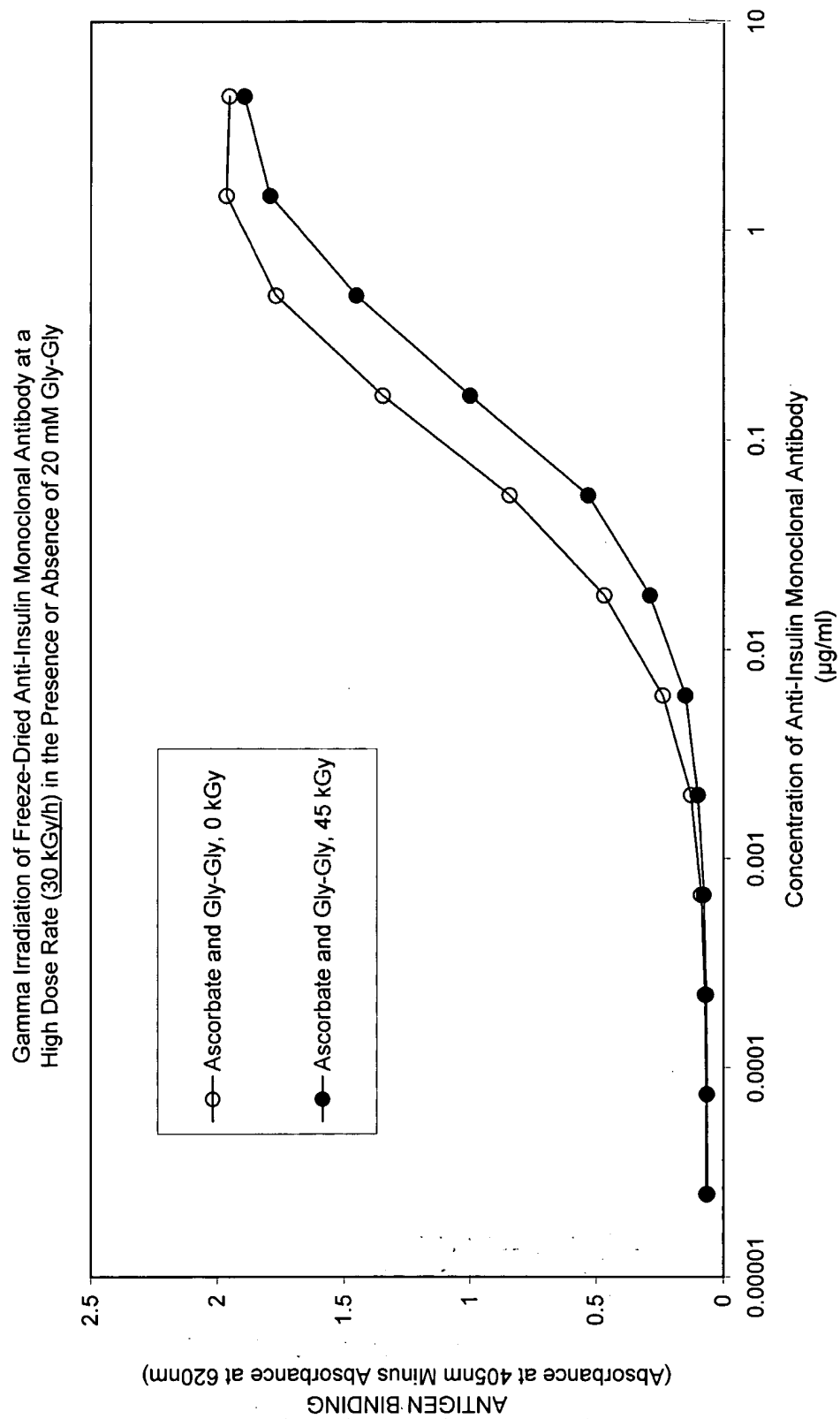


FIG. 2E

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**Gamma Irradiation of Liquid
IGIV in the Presence or Absence of 200 mM Ascorbate
Using Rubella IgG Assay**

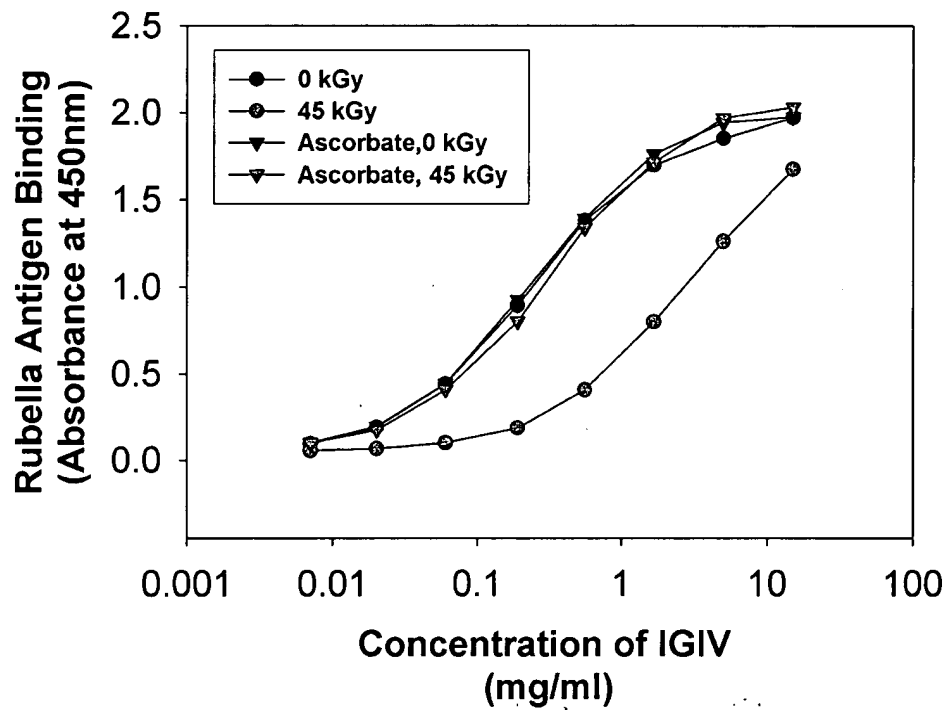


FIG. 3A

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**Gamma Irradiation of Liquid
IGIV in the Presence or Absence of 200 mM Ascorbate and
200 mM Gly-Gly Using Rubella IgG Assay**

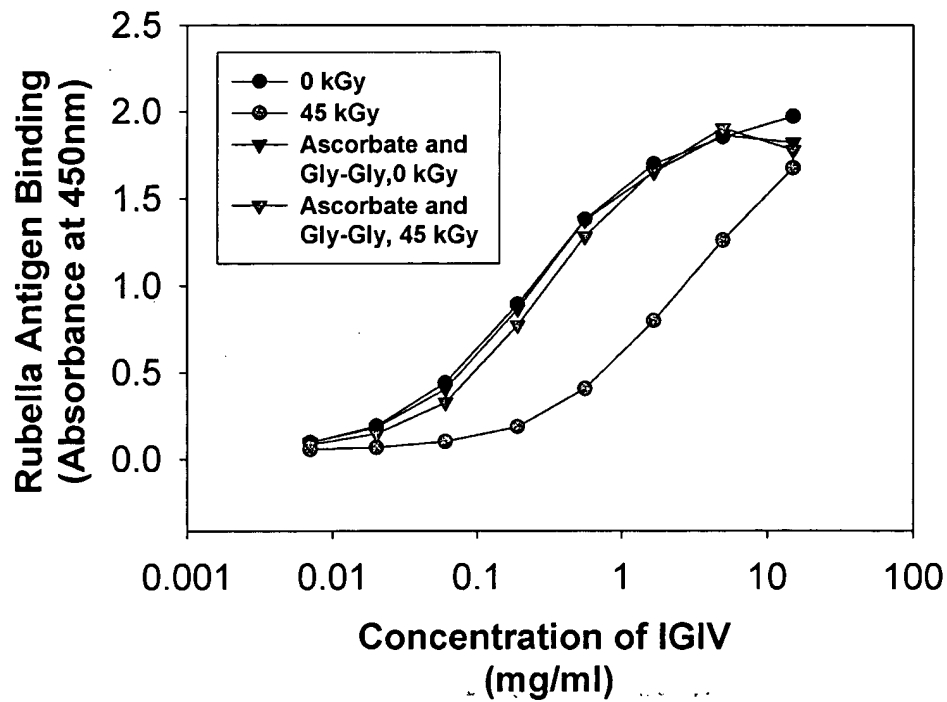


FIG. 3B

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**Gamma Irradiation of Liquid
IGIV in the Presence or Absence of 200 mM Ascorbate and
200 mM Gly-Gly Using Rubella IgG Assay**

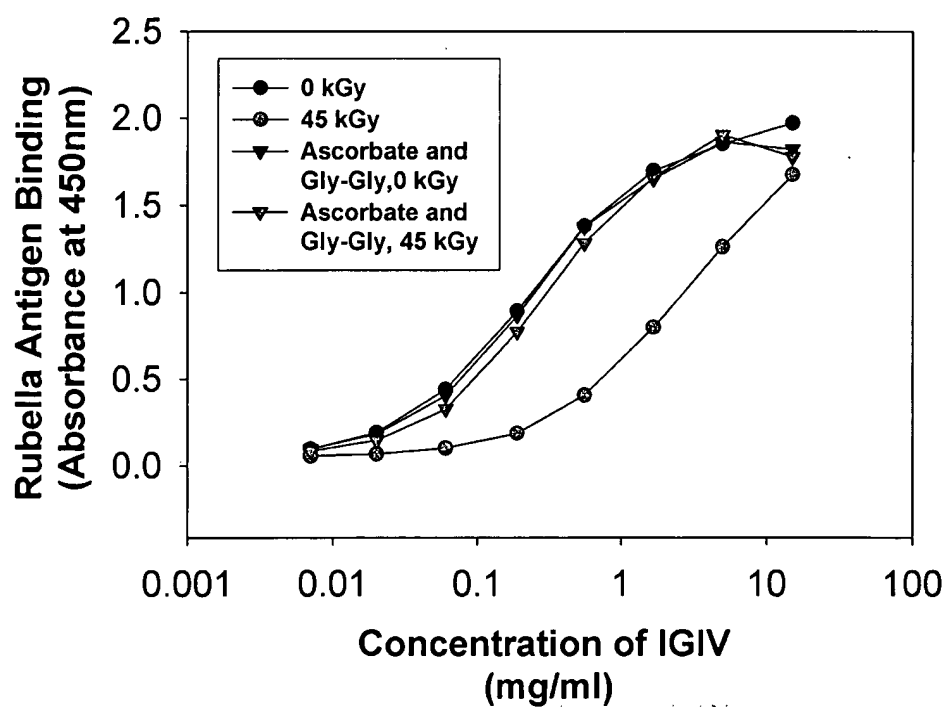


FIG. 3C

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**Gamma Irradiation of Liquid
IGIV in the Presence or Absence of 200 mM Ascorbate
Using Mumps Assay**

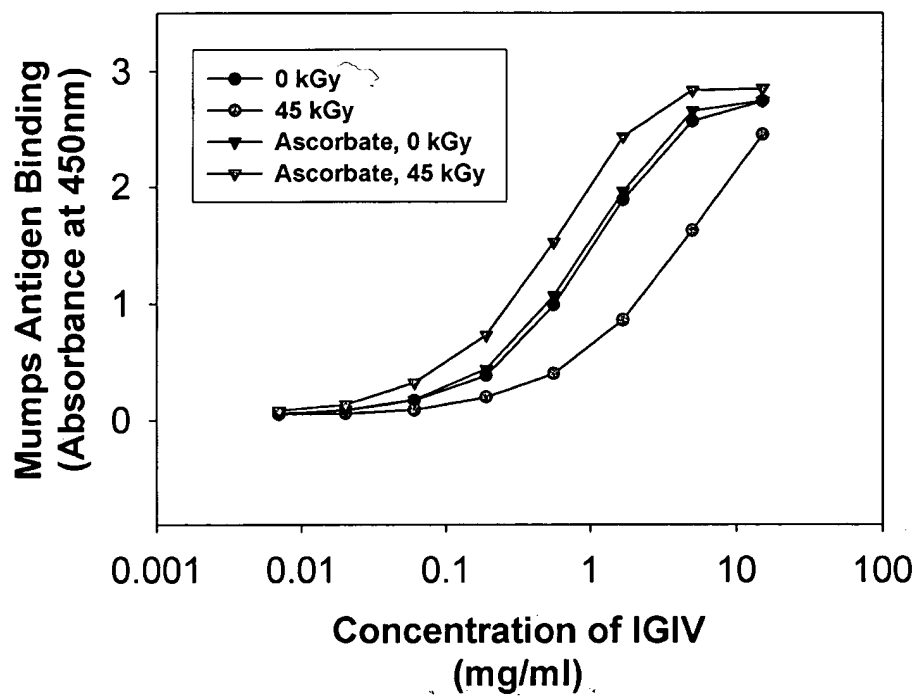


FIG. 3D

**Gamma Irradiation of Liquid
IGIV in the Presence or Absence of 200 mM Ascorbate
and 200 mM Gly-Gly Using Mumps Assay**

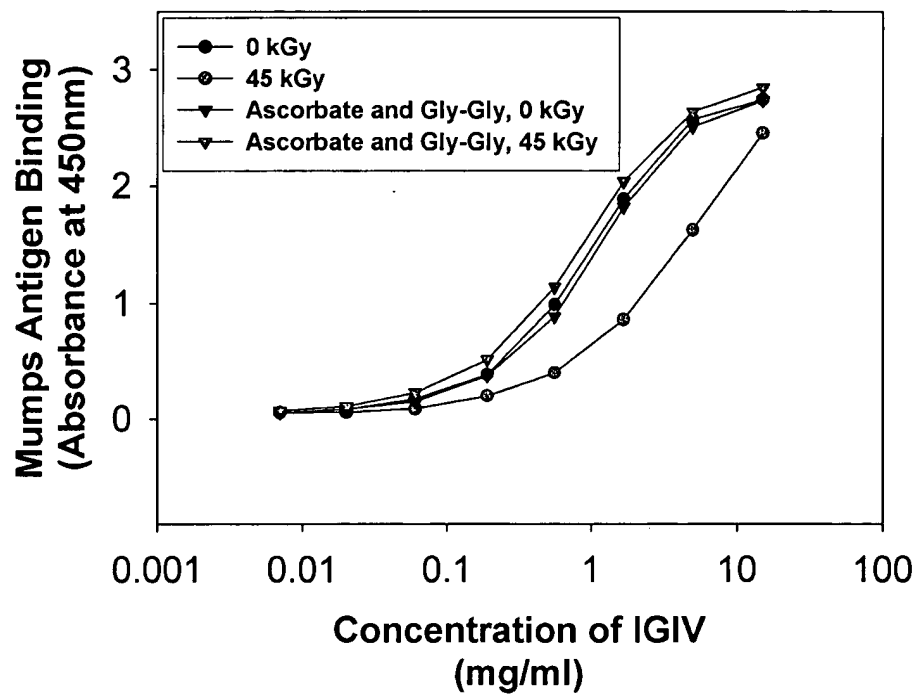


FIG. 3E

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Gamma Irradiation of Liquid
IGIV in the Presence or Absence of 200 mM Ascorbate
Using CMV Assay

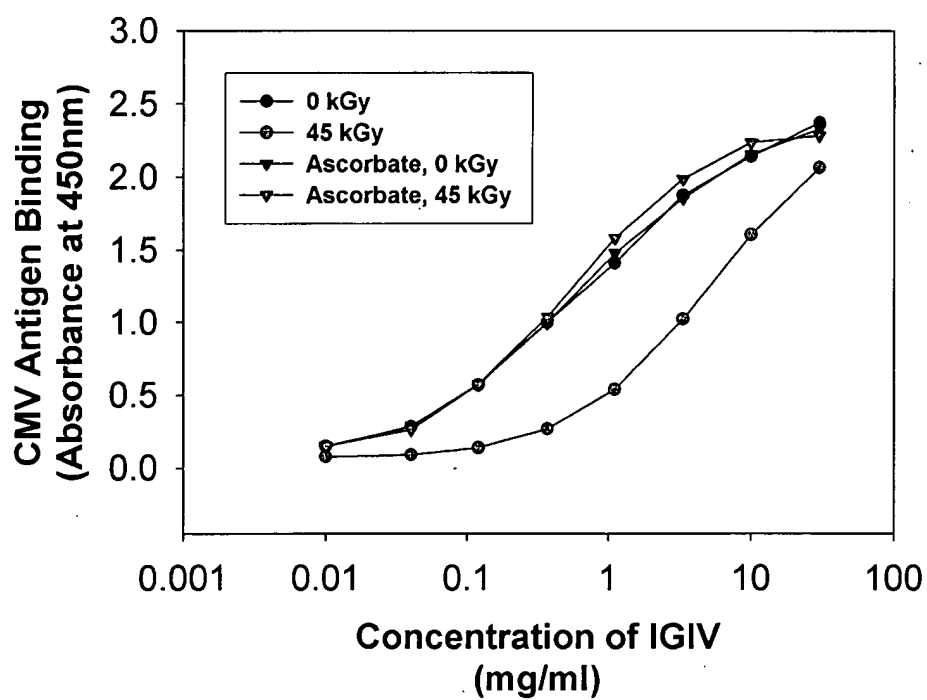


FIG. 3F

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SDS-PAGE of Liquid IGIV

Liquid IGIV, Reduced 5-15%

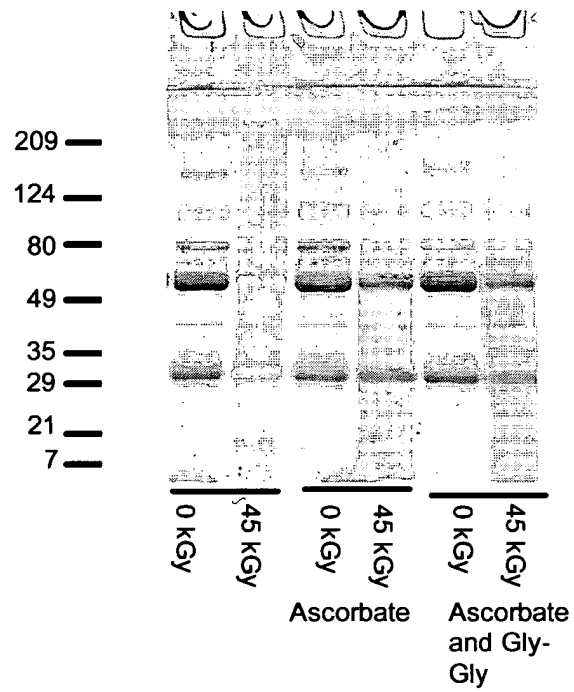


FIG. 3G

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SDS-PAGE of Liquid IGIV

Liquid IGIV, Non-Reduced 5-15%

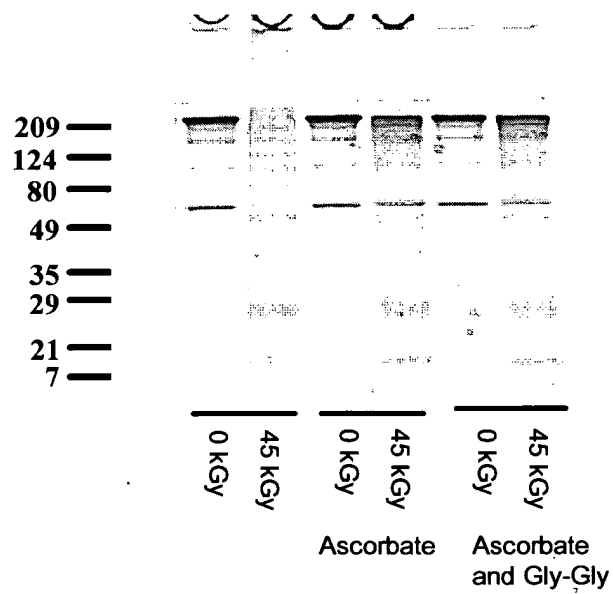


FIG. 3H

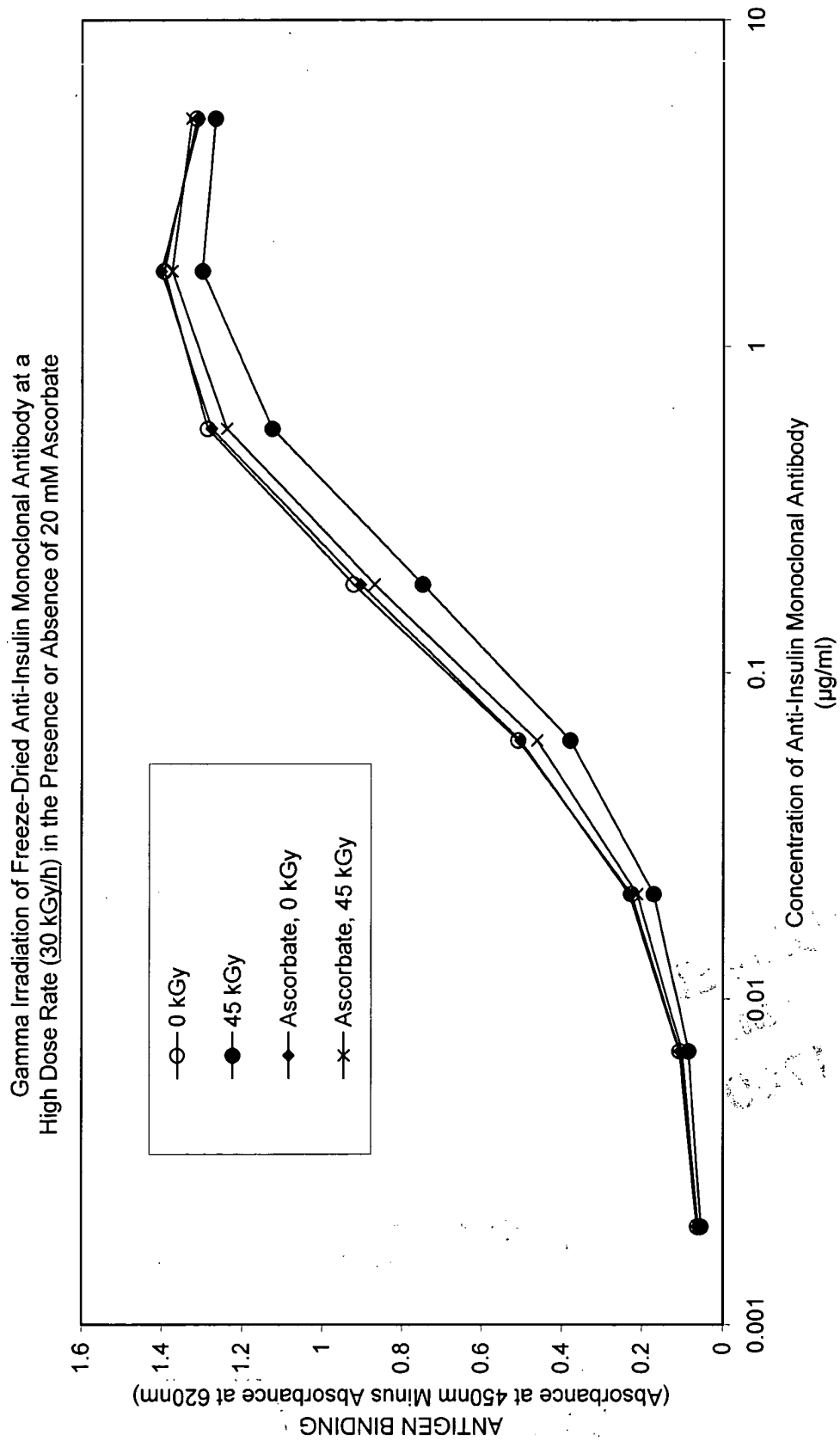


FIG. 4A

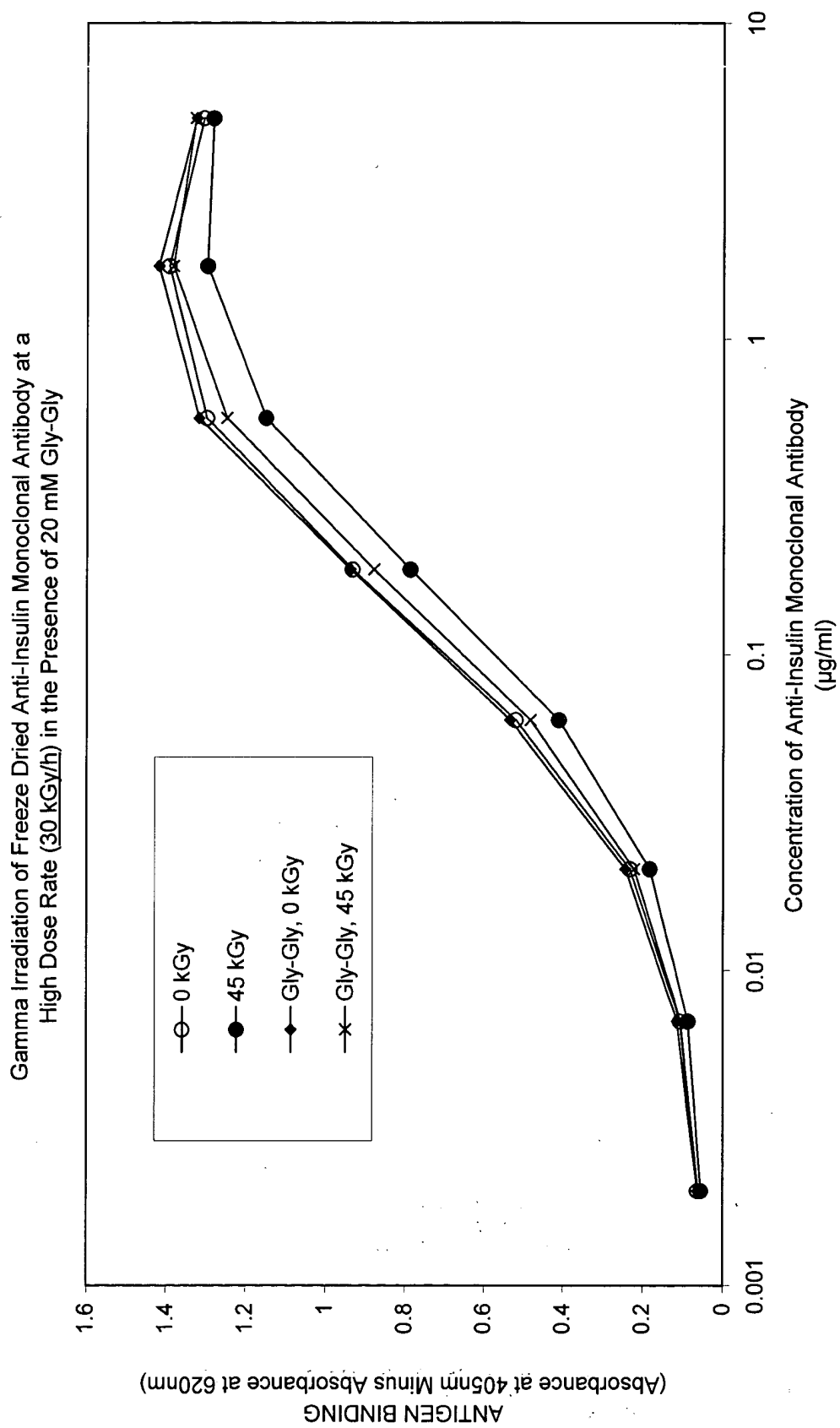


FIG. 4B

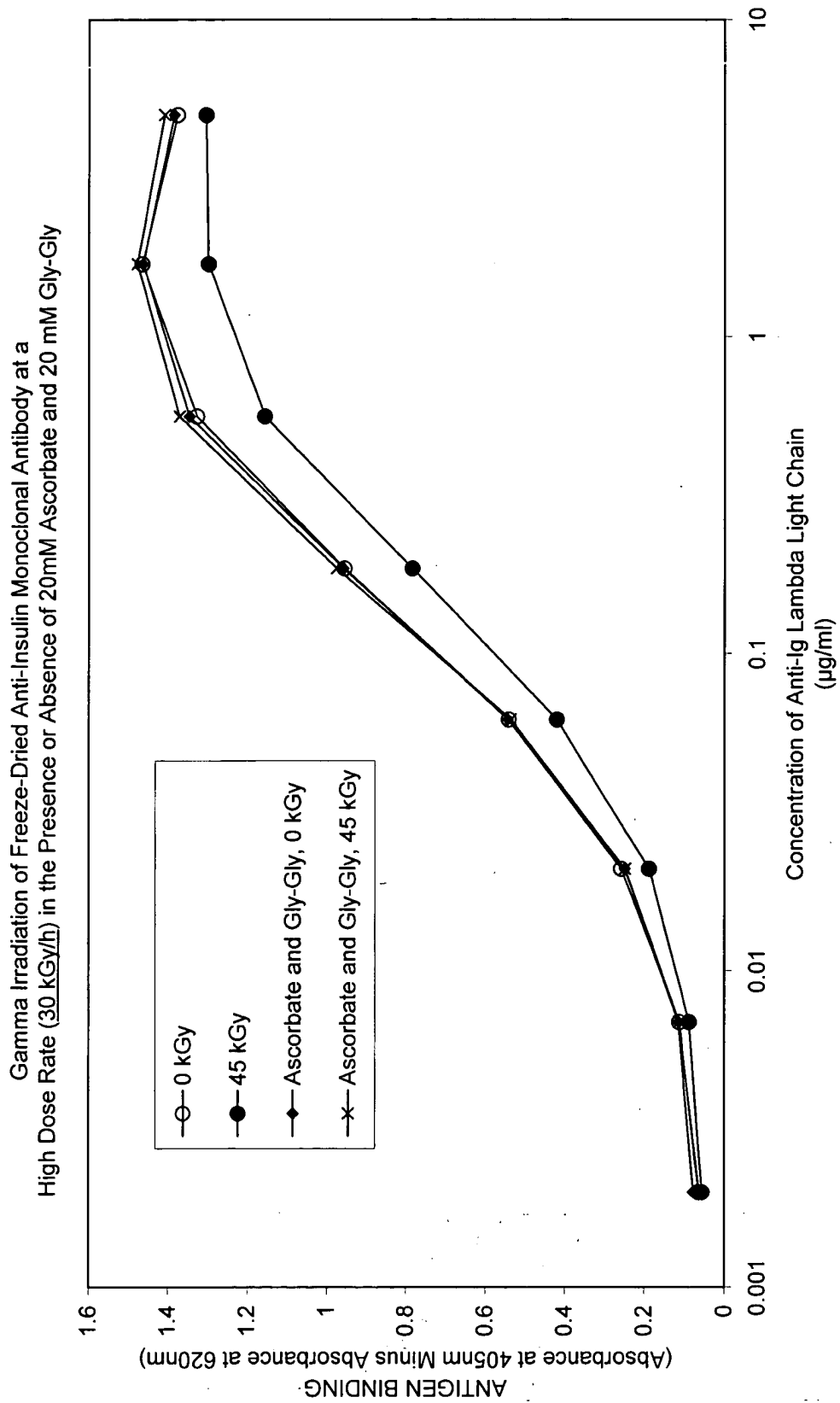


FIG. 4C

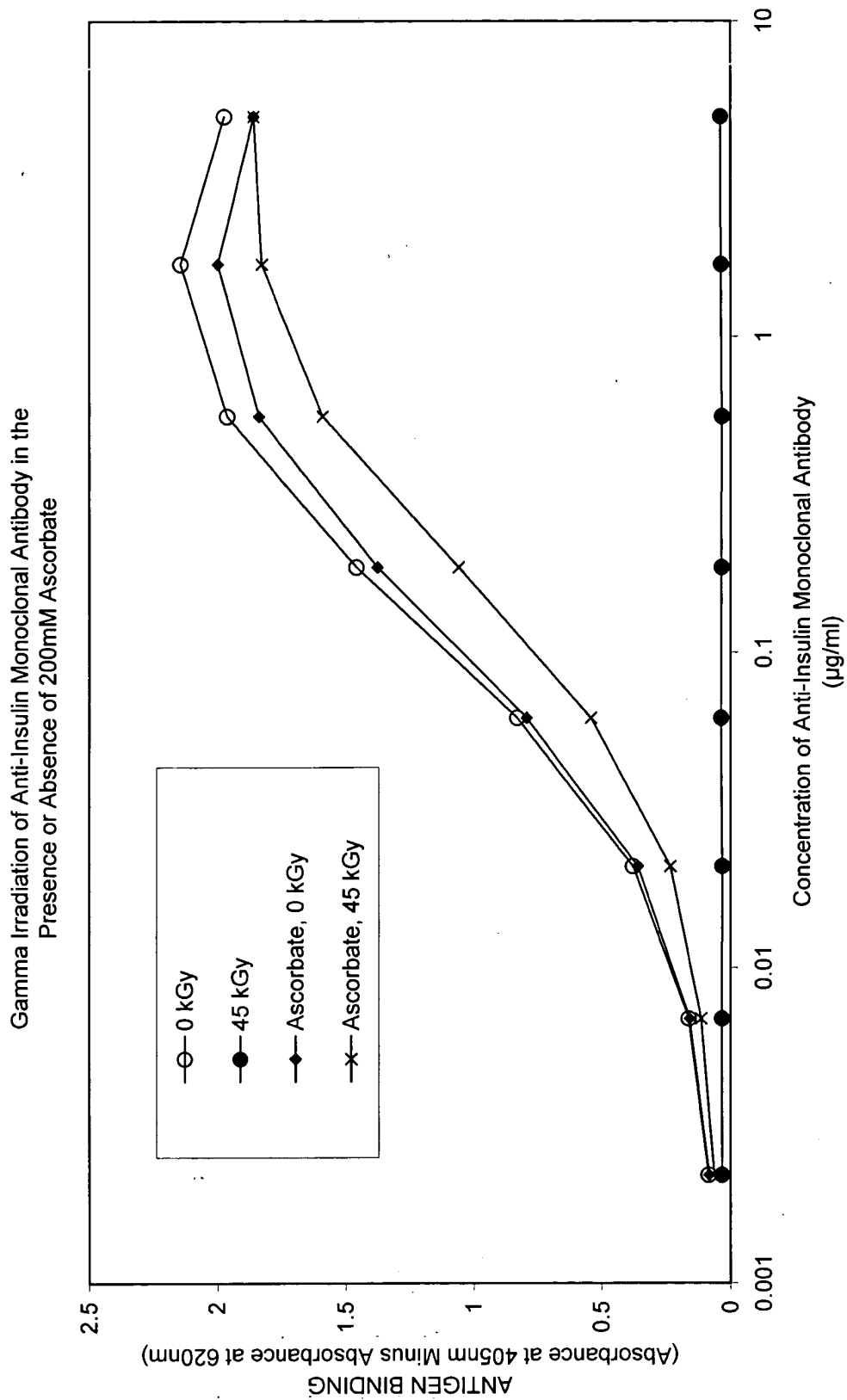


FIG. 5A

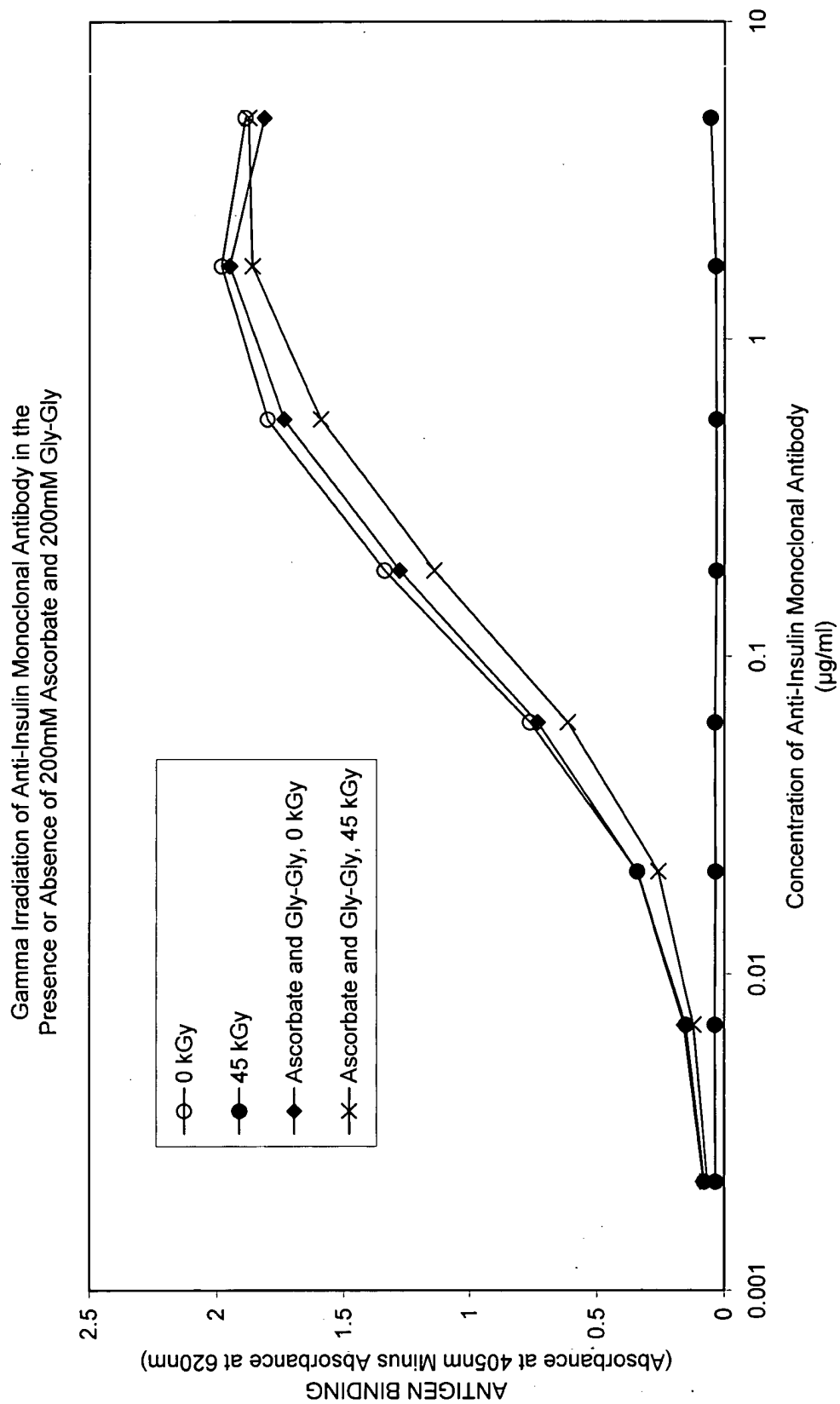


FIG. 5B

SDS-PAGE for a Glycosidase

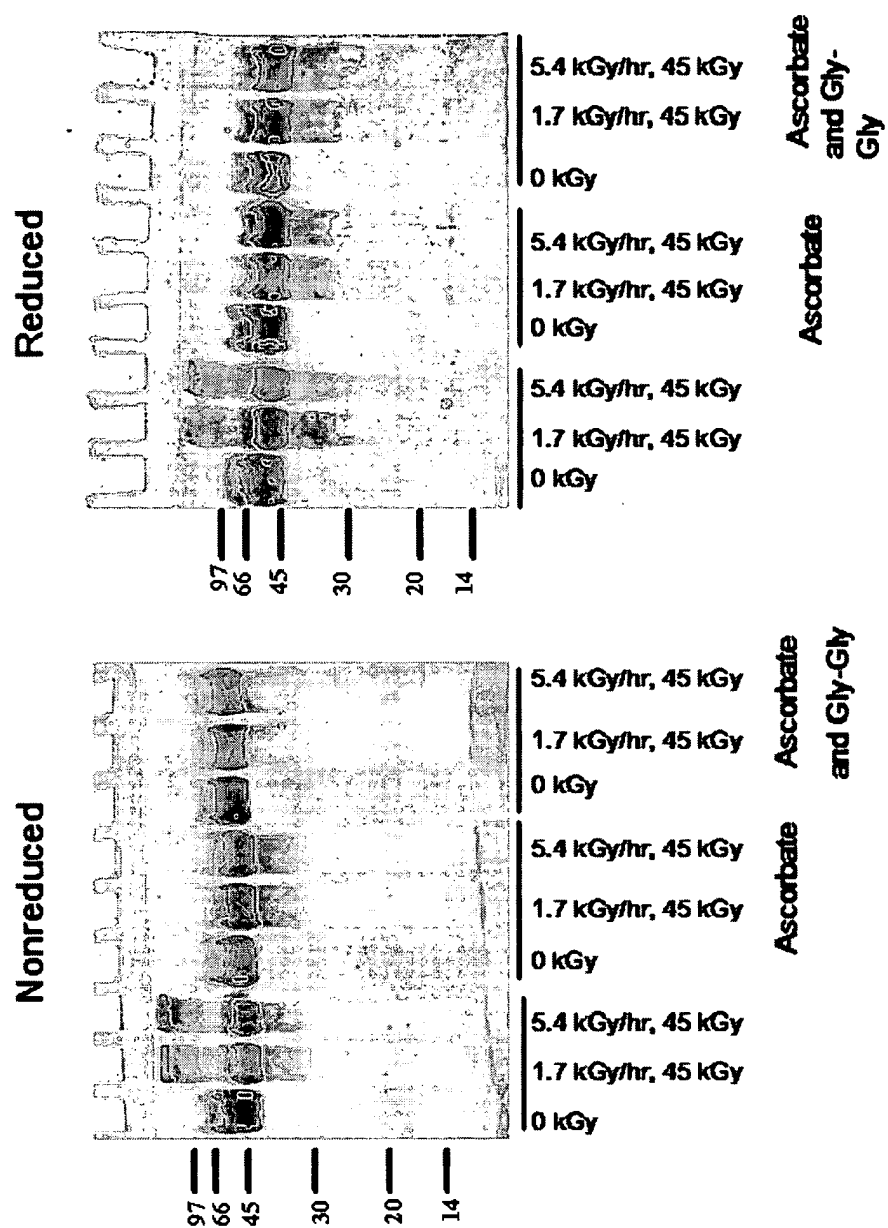


FIG. 6A

SDS-PAGE for a Sulfatase
Reduced

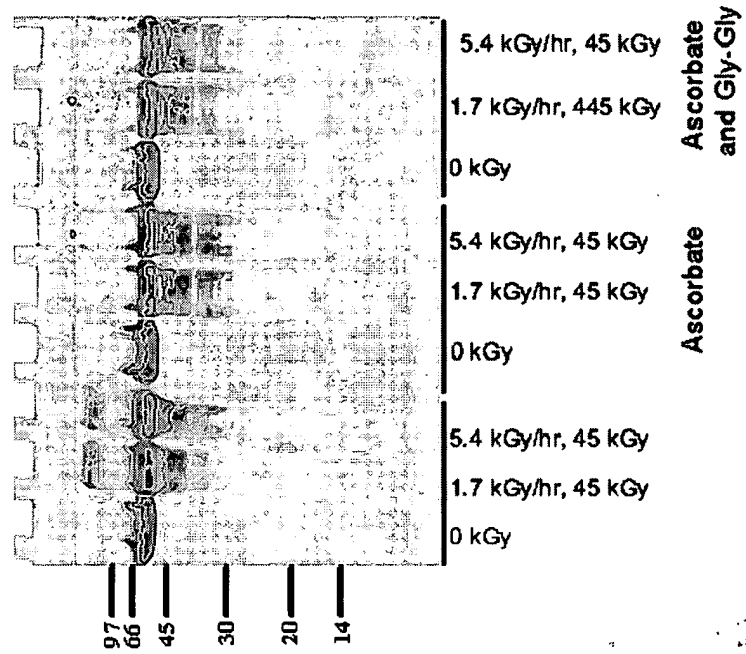


FIG. 6B

Gamma Irradiation of a Glycosidase In the Presence or Absence
of Ascorbate Alone or in Combination with Gly-Gly

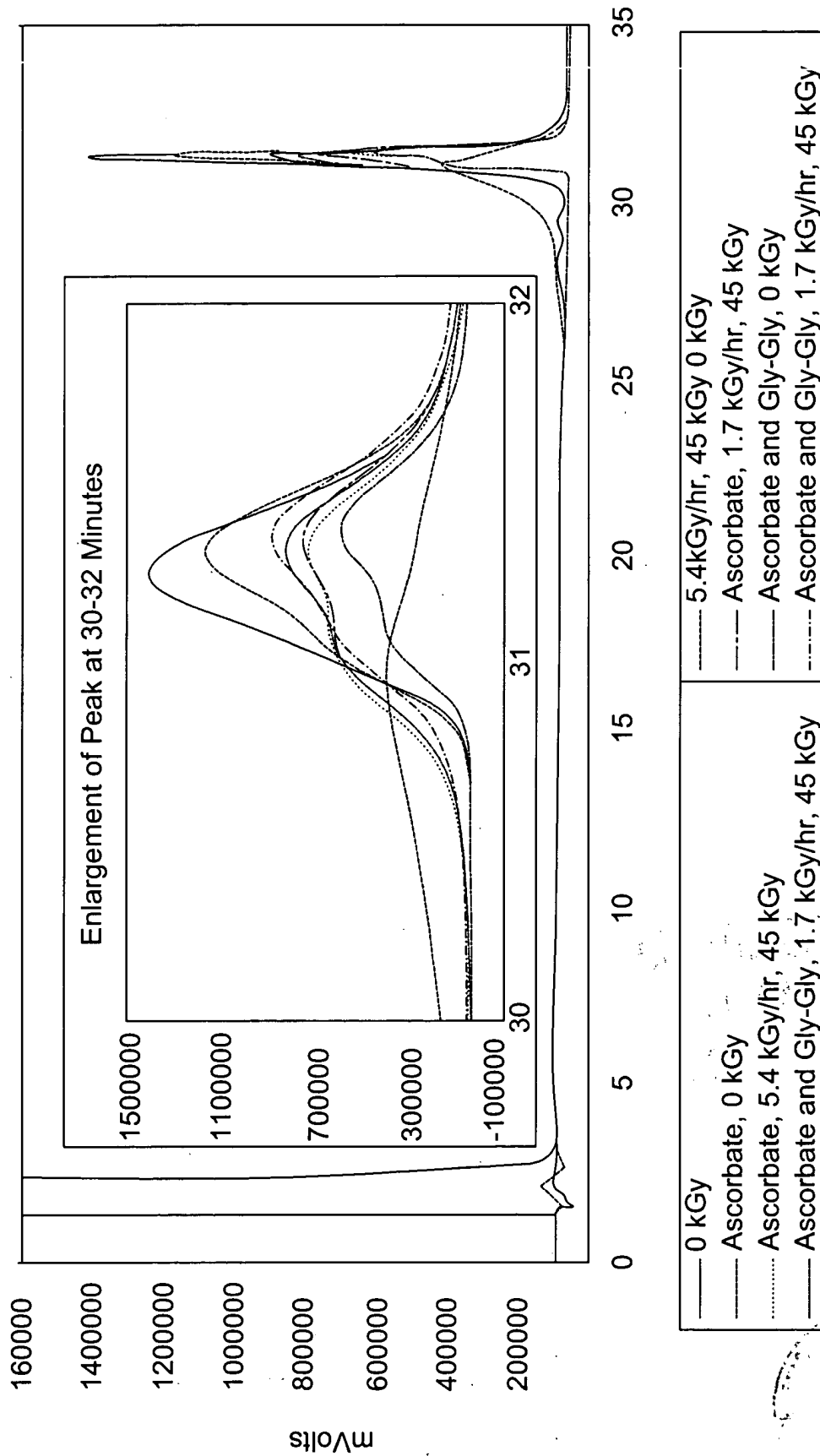


FIG. 7

Gamma Irradiation of Liquid Anti-Insulin Monoclonal Antibody in the Presence or Absence of 200mM Ascorbate Alone or in Combination with 200mM Gly-Gly

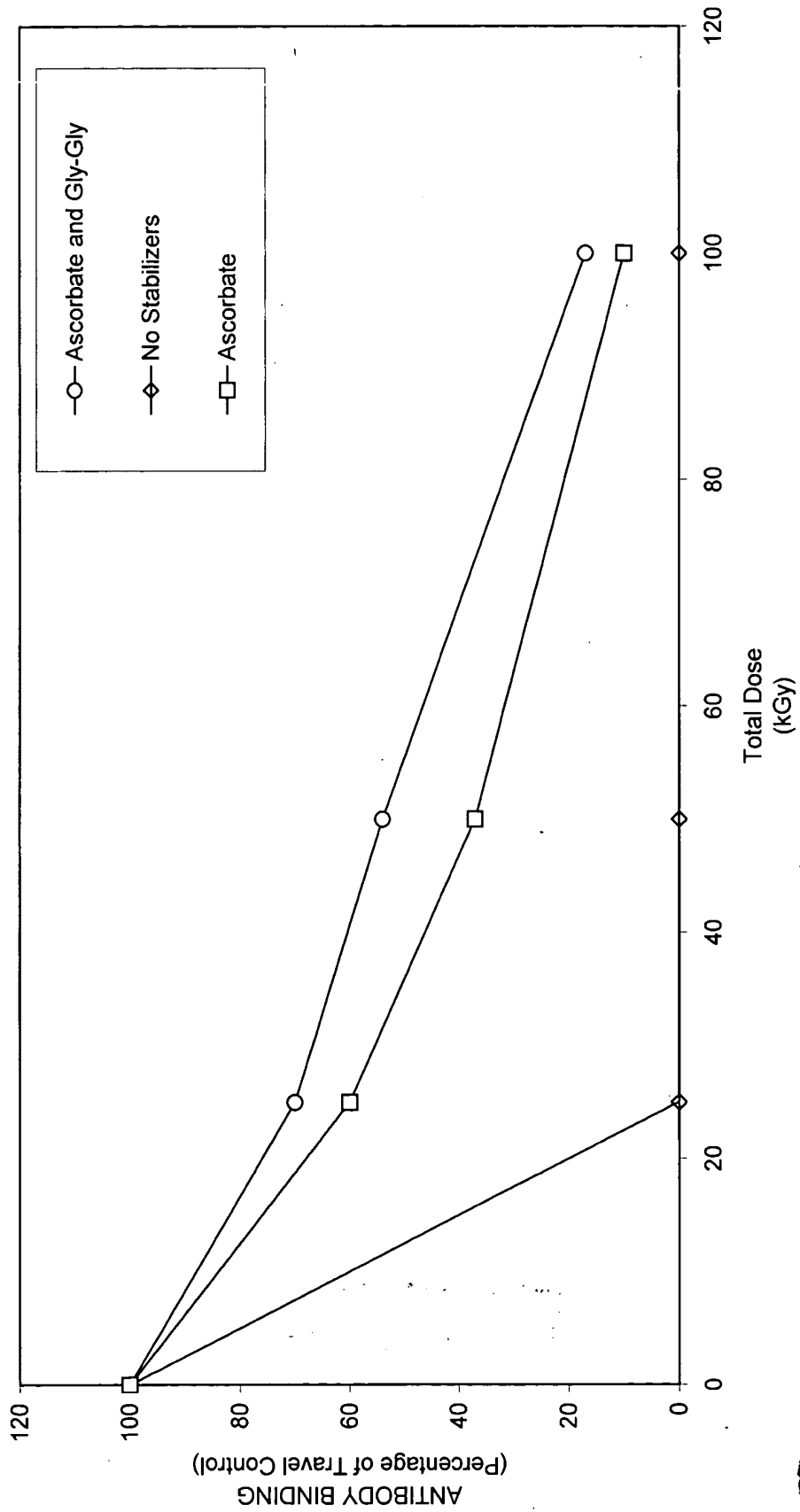


FIG. 8

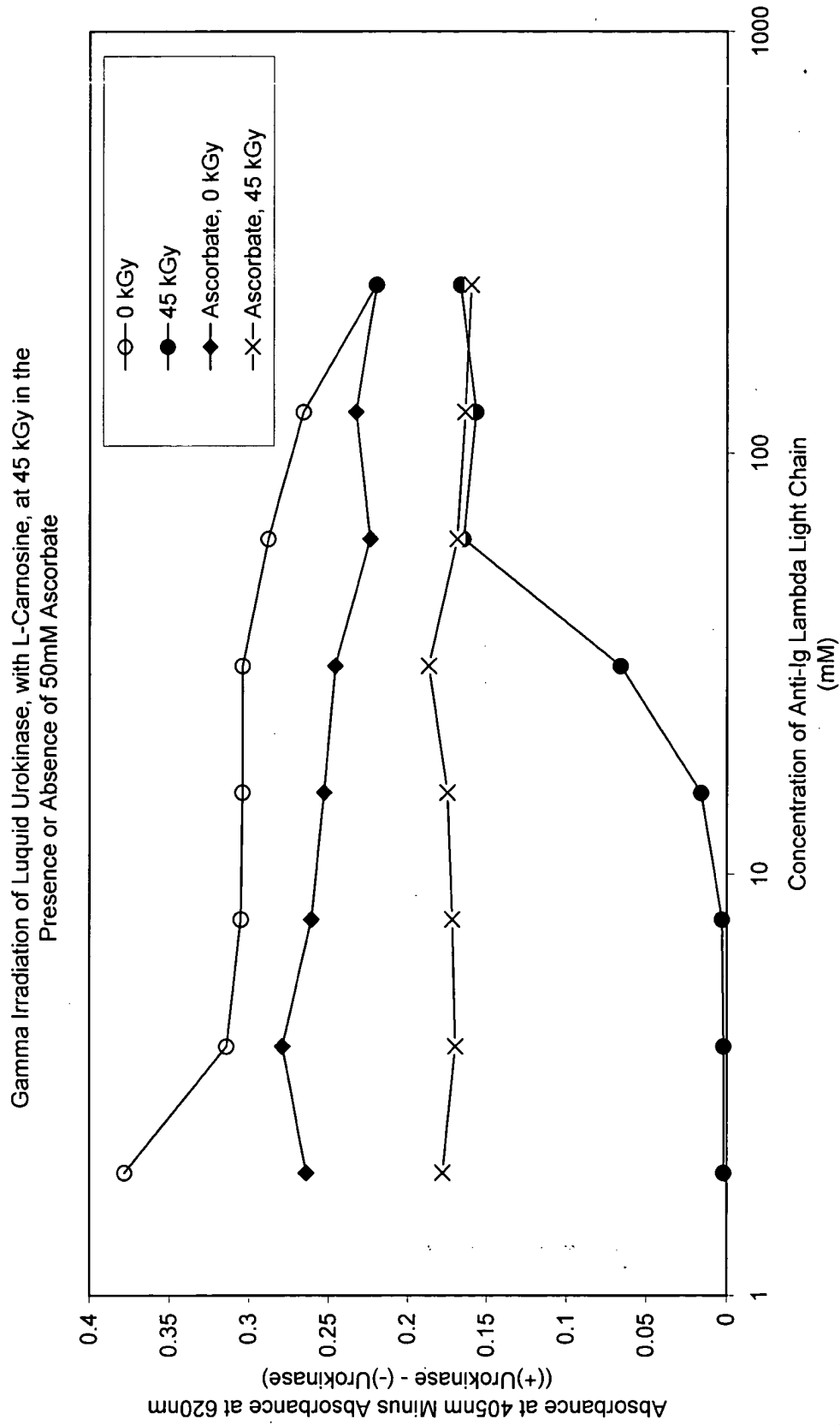


FIG. 9

050201.iv.027a Gamma Irradiation of Liquid Anti-Human Ig, Lambda Light Chain in the Presence or Absence of 200mM Ascorbate

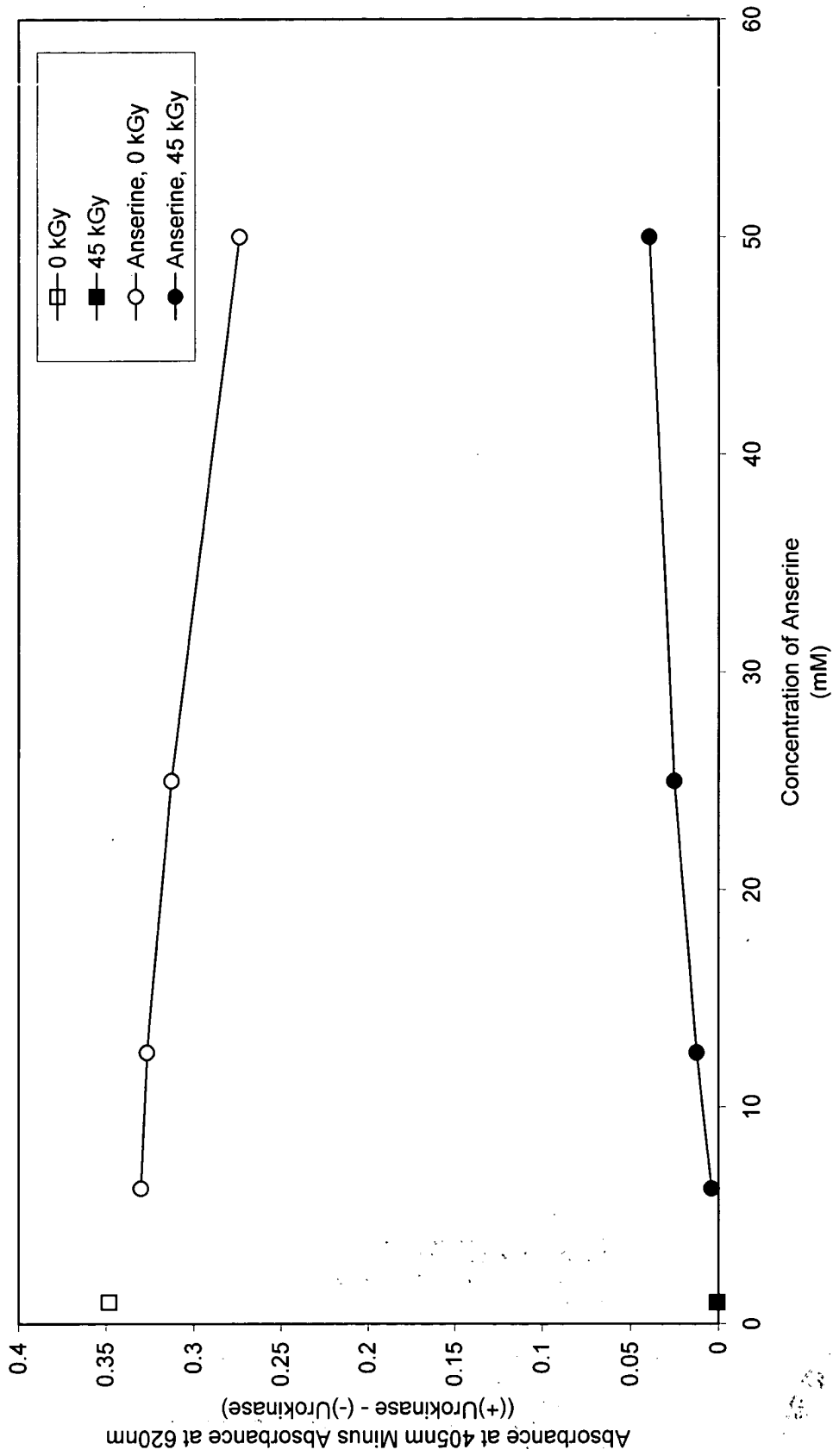


FIG. 10

050201.iv.027a Gamma Irradiation of Liquid Anti-Human Ig. Lambda Light Chain in the Presence or Absence of 200mM Ascorbate

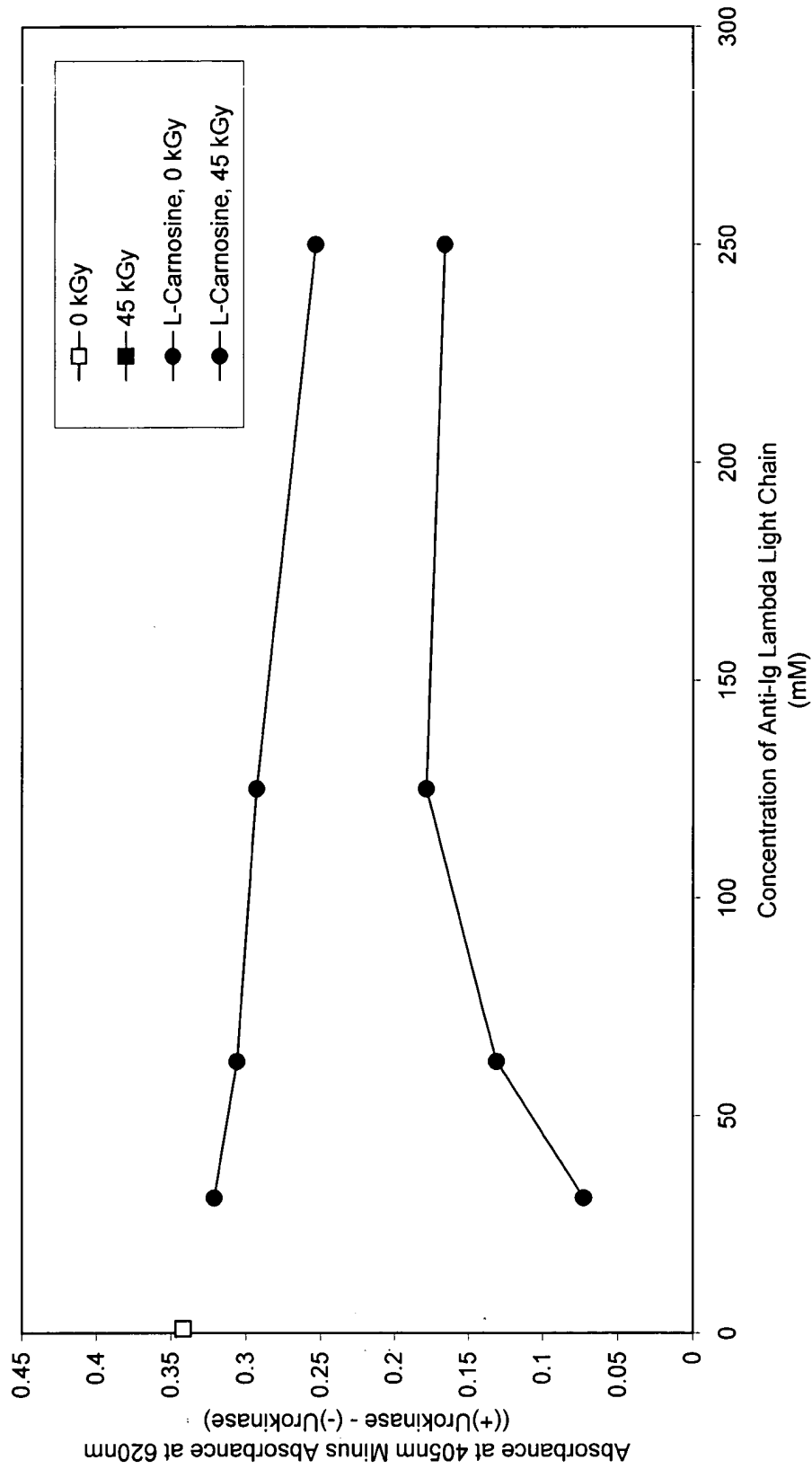


FIG. 11

050201.iv.027a Gamma Irradiation of Liquid Anti-Human Ig, Lambda Light Chain in the Presence or Absence of 200mM Ascorbate

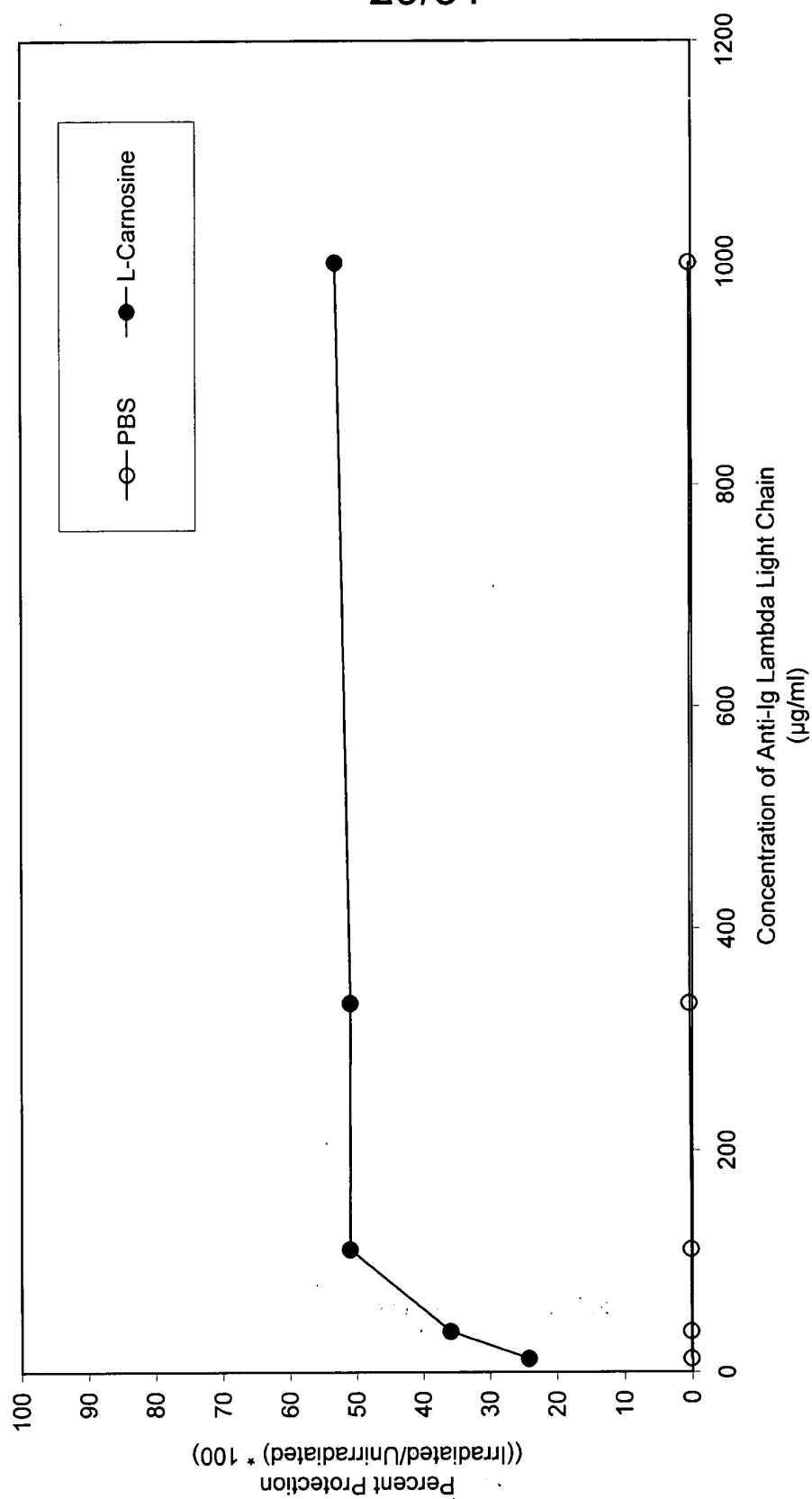


FIG. 12

Gamma Irradiation of Immobilized Monoclonal Antibody in the Presence or Absence of L-Carnosine and Ascorbate

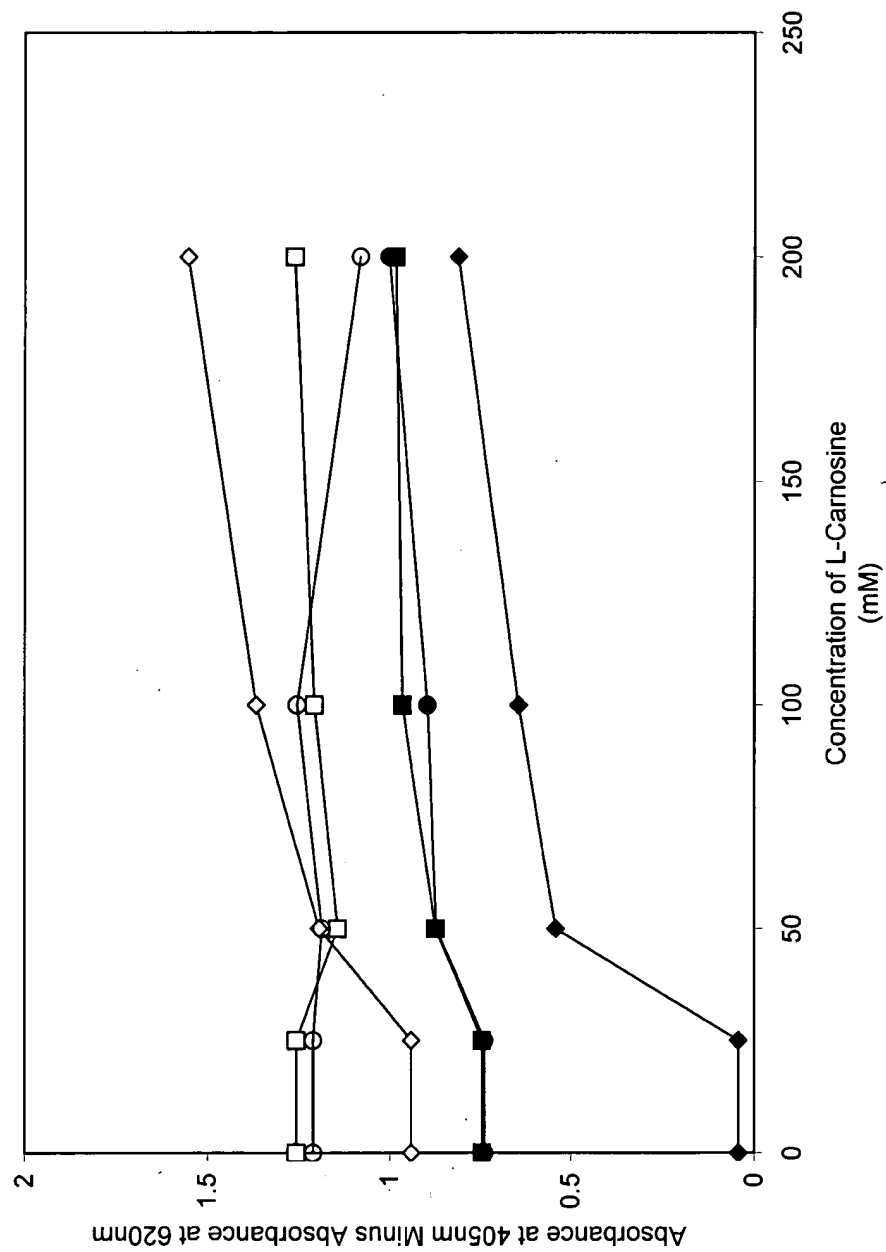


FIG. 13

111300.rrc.017 Gamma Irradiation of Freeze-Dried FVIII in the Presence or Absence of L-Carnosine Alone or in Combination with Ascorbate

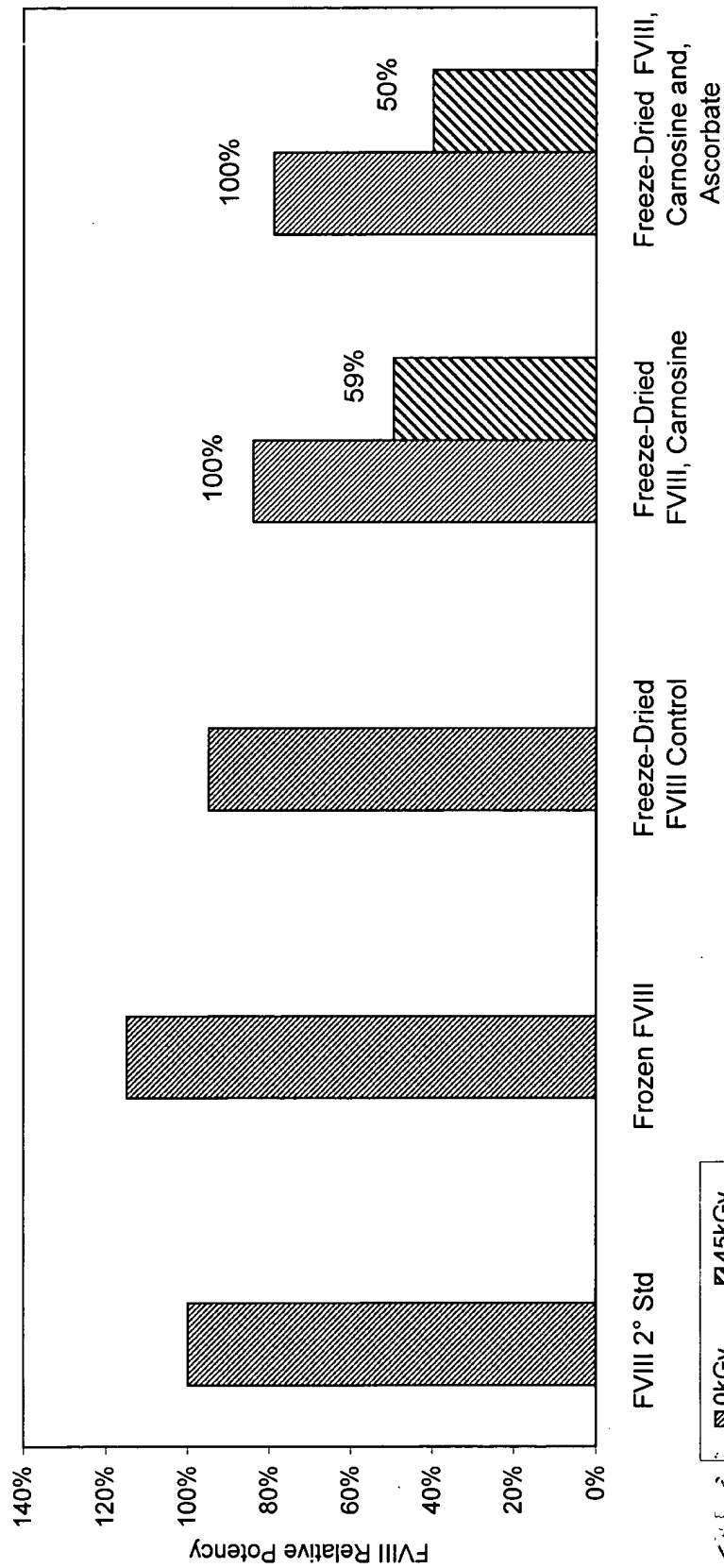


FIG. 14